



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06

Site Name: Norphlet Chemical, Inc (NCI)

CERCLIS ID#:

ARN000606985

Alias Site Names: \_\_\_\_\_

Address: 600 MacMillan Road (State Highway 335)

City/County or Parish/State/Zip Code: Norphlet, Union County, Arkansas 71759

Report Type, Date, and Author: Comprehensive Site Assessment (Preliminary Assessment Equivalent), April 2011, ADEQ

RECOMMENDATION

☐ 1. No Further Remedial Action Planned  
under Superfund (NFRAP)

☒ 2. Further Investigation Needed Under Superfund

☐ PA

☐ HRS

Priority: ☒ High

☐ SSI

☐ RA

☐ Medium

☐ ESI

☐ RI/FS

☐ Low

☐ Other: Site Reassessment

To be performed by: EPA

☐ 3. Action Deferred to:

☐ RCRA ☐ NRC

NOTIFY AUTHORITY:

☐ Removal

☐ RCRA

☐ TSCA

☐ CAA

☐ SMCRA

☐ Remedial

☐ State

☐ NPDES

☐ NRC

☐ Resource Trustee: \_\_\_\_\_

☐ CERCLA Enforcement

☐ Federal Facility

☐ UIC

☐ SPCC

☐ Other: \_\_\_\_\_

SEND SSSR COPIES TO: ☒ 6SF-AC ☐ 6WQ-SP

☐ ATSDR

☒ State Agency

☐ Other

DISCUSSION:

The site is an inactive, abandoned Industrial facility located on the former MacMillan Ring-Free Oil Refinery site which closed in 1987, and the Nor-Ark Industrial Corporation site which also used the on-site storage tanks for asphalt products until 1991, when it filed for bankruptcy. The facility was inactive from that time until NCI refurbished the facility as a chemical manufacturing plant to produce tetrafluoroethane (Freon 134A) refrigerant used in automobiles in early 2006. The plant failed to produce the product upon completion in 2007. The facility never operated as intended and was abandoned in 2007. The facility is bordered by a residential subdivision and the Norphlet Public School on the west, and perennial creeks on the east and north.

Site features include an office building, laboratory building, boiler building, a 50,000 barrel bulk crude oil above ground storage tank (AST), a number of smaller ASTs, storage building, a fire water pond, a canning building, and a drum storage building. Large amount of debris, piping, drums, and used equipment and parts are found at various locations on the property. There are process ponds and impoundments used for wastewater treatment on-site. The facility was the subject of a removal action involving several tanks containing hazardous materials.

The potential endangerment to public health does exist because the site is located close to a residential area and a school. The presence of wetlands within the surface water migration pathway and the number of domestic wells in the site area potentially affected by the adverse conditions has not been determined. The degree of risk to public health and the environment, and the extent of contamination leaving the site has not been documented.

To fully assess the site conditions, Site Data Evaluation (SDE) is recommended for the site. Sufficient information exists to perform SDE following current EPA guidance. The SDE should reveal any data gaps in targets and pathways that may require further investigation as well as prepare the site for future NPL listing.



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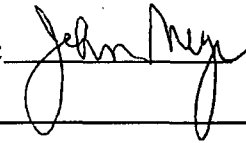
**APPROVALS:**

Report Reviewed by: Philip Ofosu  
(Site Assessment Manager 6SF-TR)

Signature: 

Date: Feb/23/12

Disposition Approved by: John Meyer  
(Section Chief 6SF-TR)

Signature: 

Date: 2/24/12